

## 220 MW COAL FIRED PLANT WITH ADVANCED POLLUTION CONTROL SYSTEM

**Client:**

Midwest Power,  
LLC

**Project Location:**

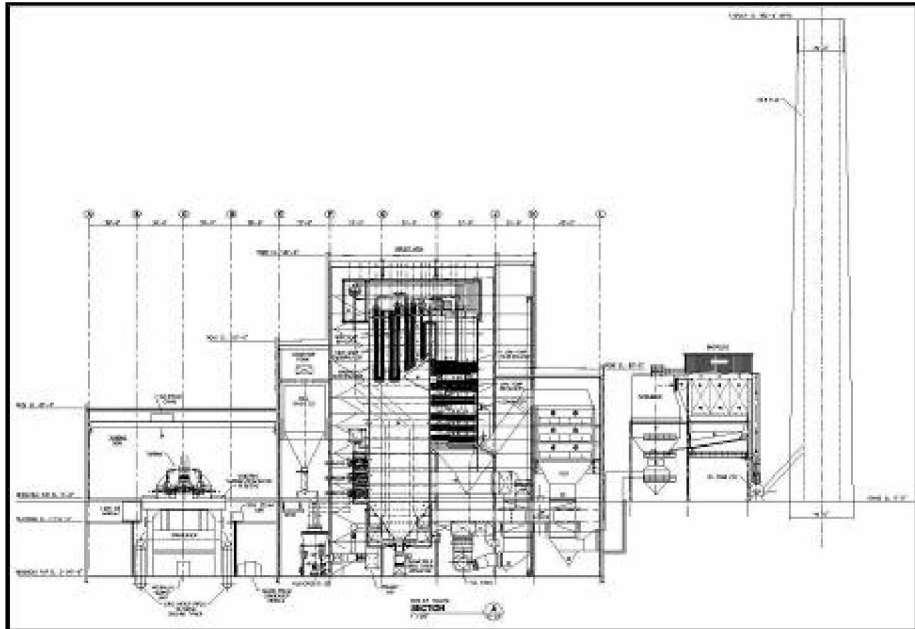
Rock County, WI

**Capacity:**

220 MW

**Approximate  
Installed Value:**

\$300,000,000



*PCI was selected by an independent power producer for the development and initial design of a 220 MW, PRB coal-fired power plant in southern Wisconsin.*

**The scope of work included:**

- Performed site screening and evaluation of several sites
- Led the fuel study to determine best source of fuel (PRB coal) as well as fuel transportation logistics
- Evaluated several boiler technology options and recommended preferred option
- Performed heat balance and cycle optimizations to design a plant with the highest efficiency in its size range
- Established electrical interconnect requirements and developed initial design
- Prepared all preliminary design drawings
- Completed design for an on-site unit train unloading system
- Secured proposals for major equipment
- Developed and analyzed detailed capital cost
- Developed an operation and maintenance plan including costs and staffing levels
- Prepared detailed financial analysis and proforma
- Identified sources of low cost debt and equity financing

